

Asthma Impact

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- No disclosures or bias
- No financial compensation or alternative incentive for this presentation

New York State Asthma Surveillance Report – October 2013

https://www.health.ny.gov/statistics/ny_asthma/pdf/2013_asthma_surveillance_summary_report.pdf

National Data

- In 2011, 18.9 million (8.2%) of adults and 7.1 million (9.5%) of children with asthma. (survey)
- In the years from 2001-2009, the prevalence of asthma nationwide increased from 7.3% (20.3 million persons) to 8.2% (24.6 million persons)
- In 2010, there were 1.8 million emergency department visits for asthma (~130 million per CDC)
- In 2010, there were 439,000 hospitalizations and 3,404 deaths
- In 2008, 10.5 million school days were missed due to asthma

The rates of asthma ER visits and hospitalizations in New York State are higher than the national rates for all age groups and higher than the Healthy People 2020 objectives

<https://www.healthypeople.gov/2020/topics-objectives/topic/respiratory-diseases/objectives>

New York State (06-10)

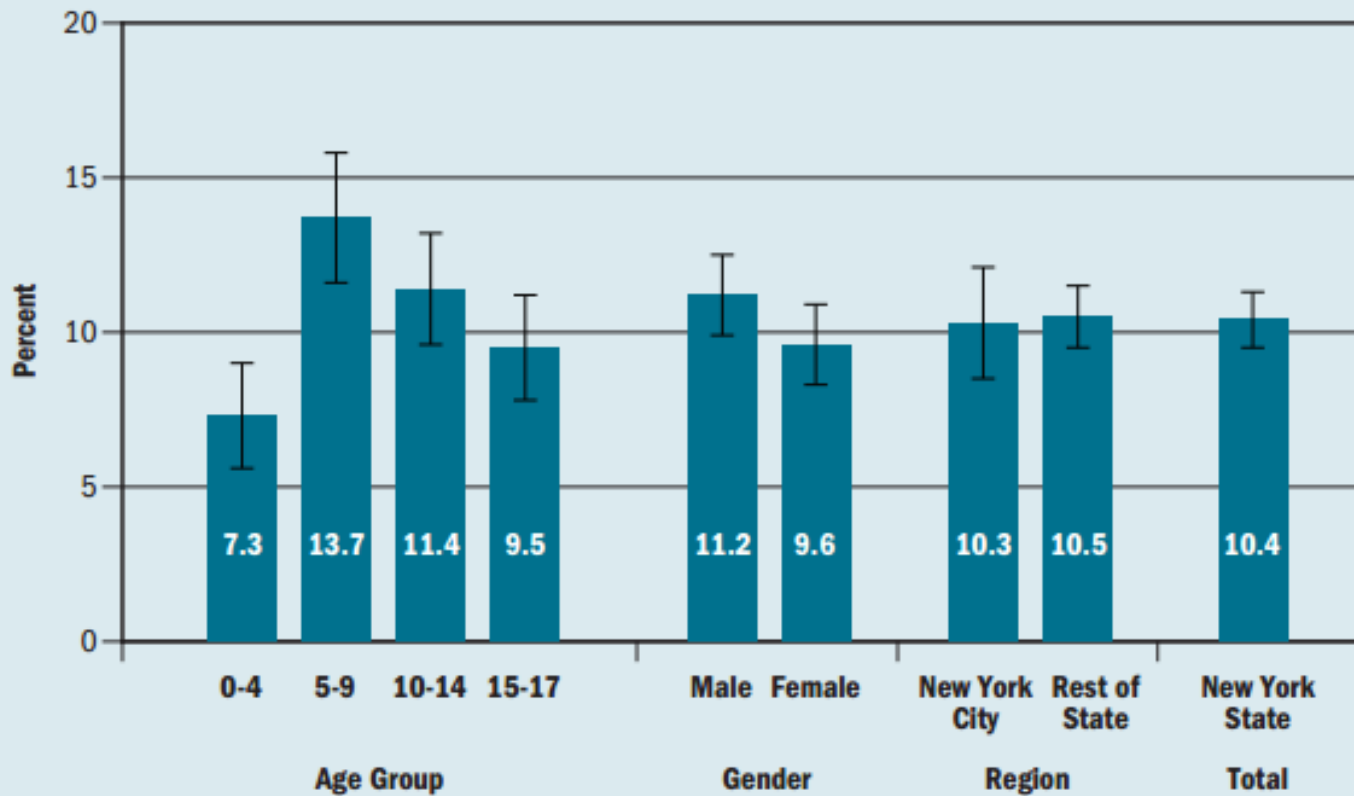
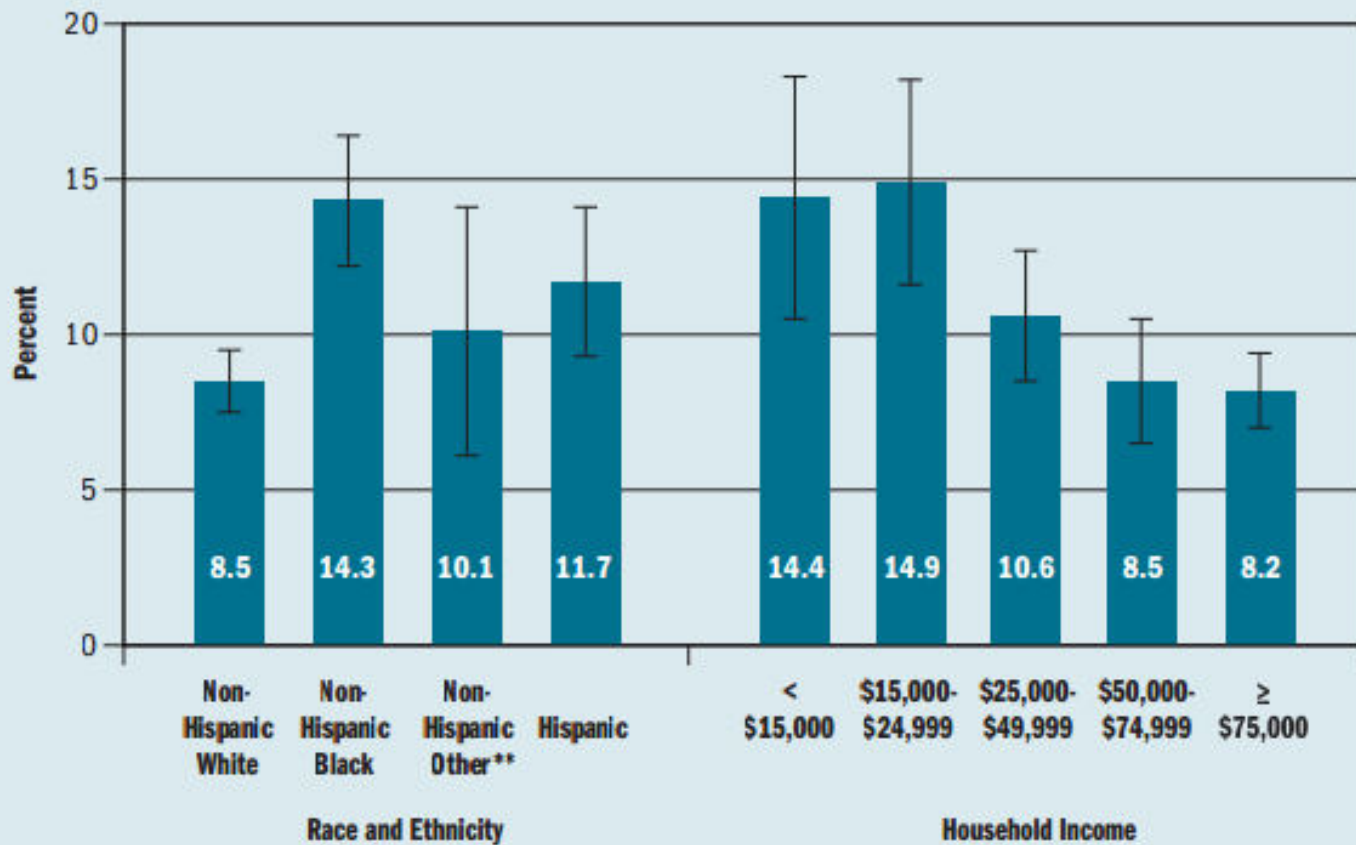


Figure 5-12

Prevalence* of Current Asthma Among Children (0-17 Years) by Race/Ethnicity and Household Income,
New York State, BRFSS, Combined Survey Years 2006-2010



New York State

- 1 in 10 adults
- 1 in 10 children
- Asthma prevalence increased from 2001 through 2010
- Children have the highest current asthma prevalence
 - May be as high as 23.3% for middle school students and 24.0% for high school students.
 - “Among middle school students with current asthma, 28.2% reported having had an asthma attack in the past 12 months”

- 2010
 - 35% of schools reported at least one type of moisture or humidity problem
 - 20% of schools reported inadequate outside air intake
 - 13% reported problems with malfunctioning dampers
 - 10% reported potential diesel intrusion, blocked air intakes and dirt or dust near or in the HVAC system

Figure 9-16

Percentages of Individuals (5-50 Years) with Persistent Asthma Who Received Appropriate Medications
by County, New York State, 2010

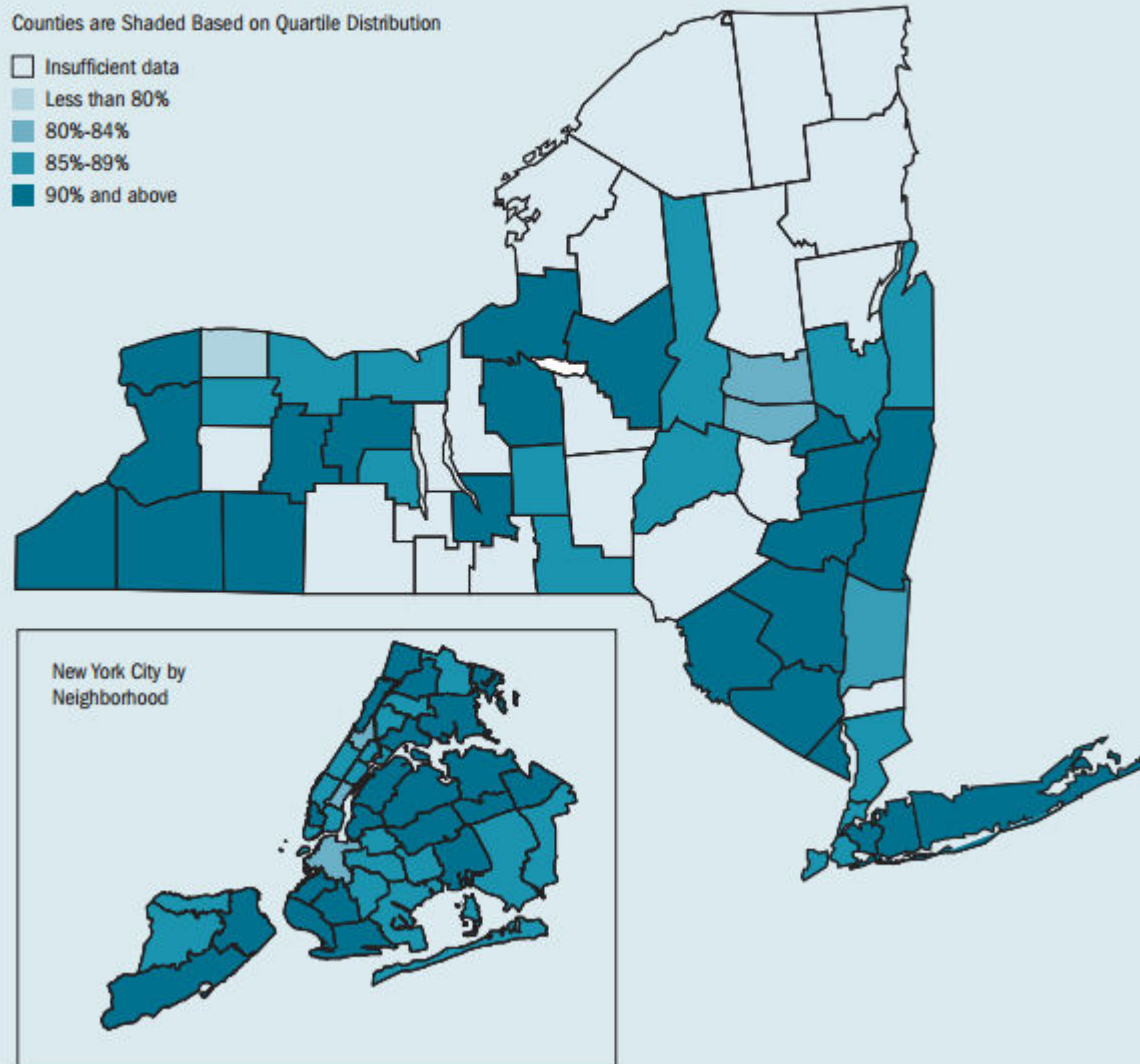
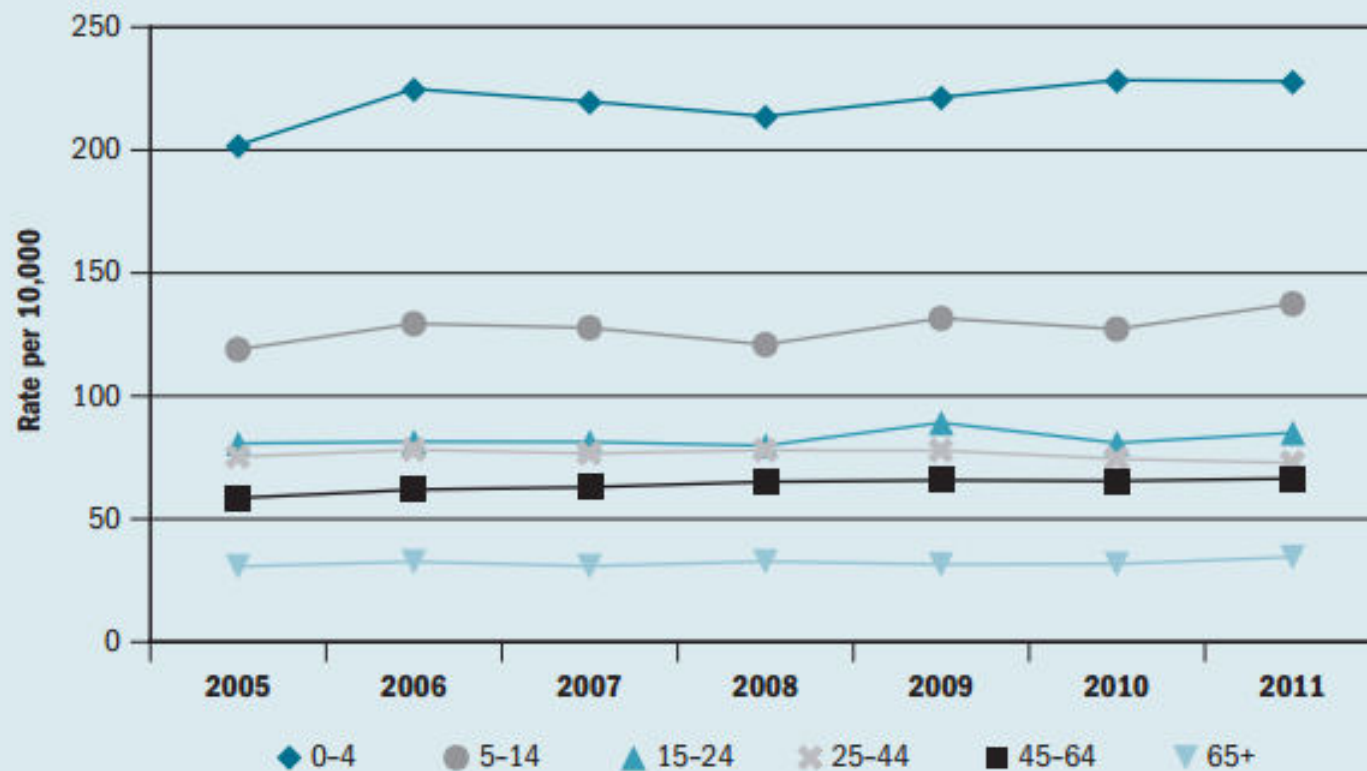


Figure 6-5

Asthma Emergency Department Visit Rate per 10,000 Residents by Age Group and Year, New York State, 2005-2011



Asthma Emergency Department (ED) Visit Rate
Counties are Shaded Based on Quartile Distribution

- 0 - <50.3: Q1 & Q2
- 50.3 - <65.7: Q3
- 65.7+: Q4

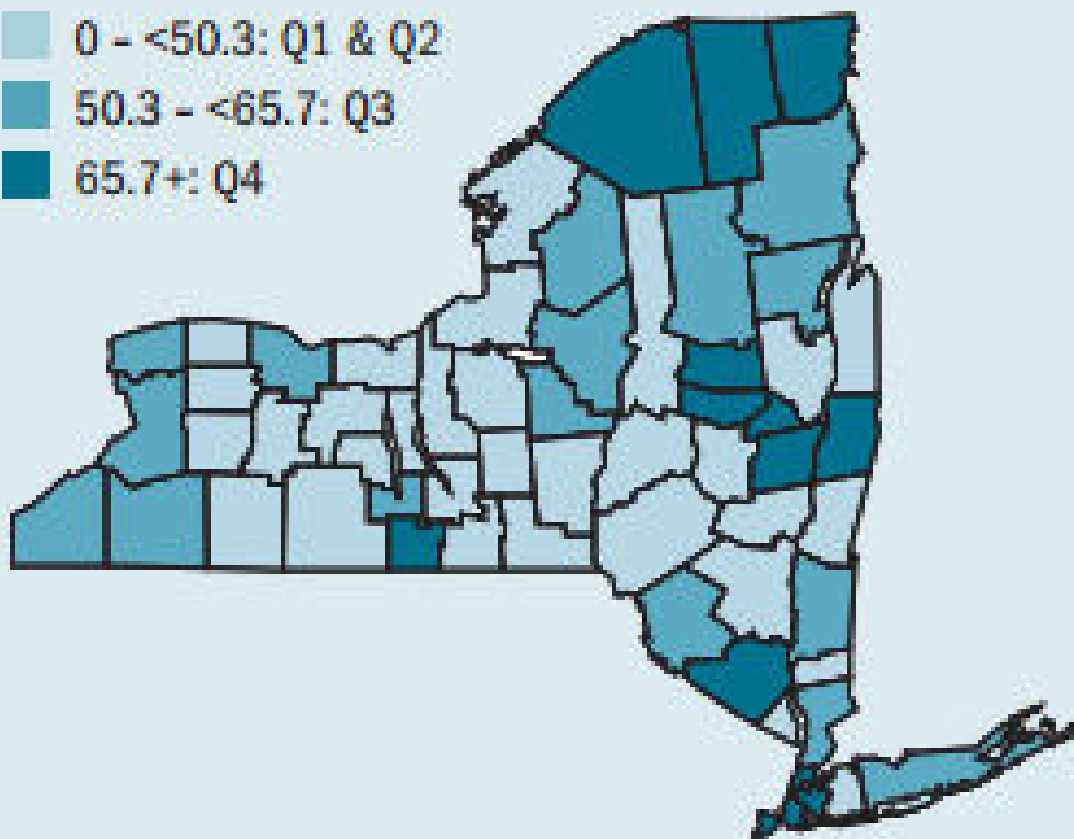
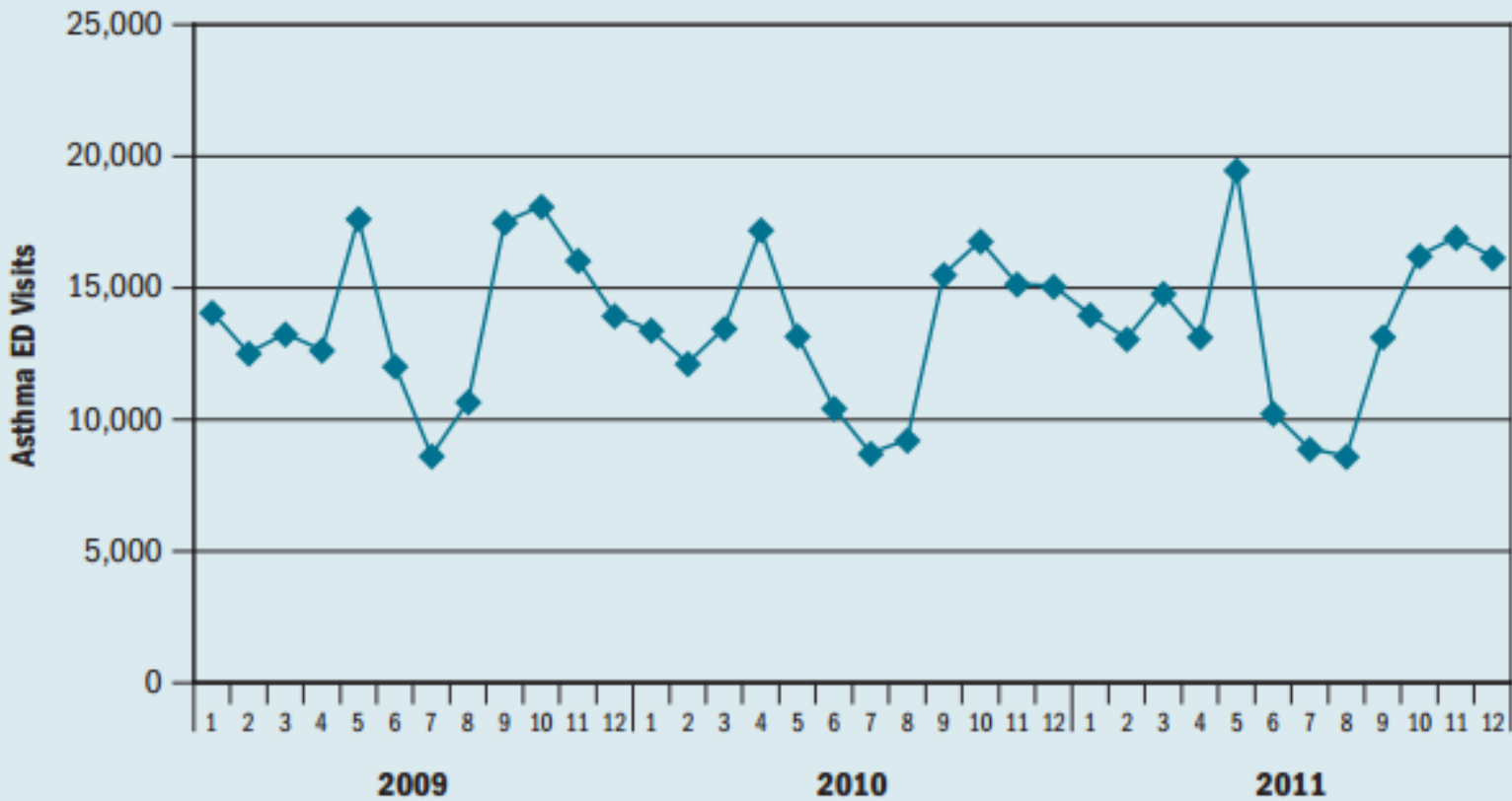


Figure 6-3
Asthma Emergency Department Visits by Month, New York State, 2009-2011



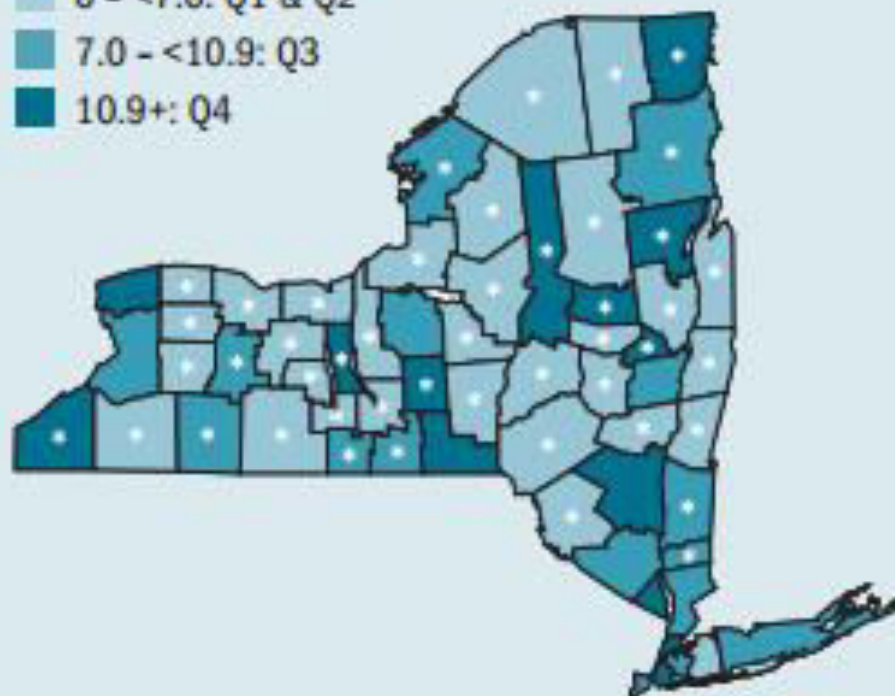
New York State ER Visits

- Increased 7% in the past seven years from 153,784 in 2005 to 164,810 in 2011
- For 2006-2010, there were 13.5 asthma emergency department visits each year per every 100 children in NYS with asthma
- In 2010, among asthmatics aged 2-17 years, 44.2% of asthma hospital admissions in NYS could potentially have been avoided through more effective outpatient care.
- Preventable asthma hospital admissions were nearly two times higher for children (0-17 years) than adults (18-39 and 40+ years)

Age-Adjusted Asthma Death Rate

Counties are Shaded Based on Quartile Distribution

- 0 - <7.0: Q1 & Q2
- 7.0 - <10.9: Q3
- 10.9+: Q4





**Thank
You**